



Laser Marking Material Instructions

LMM 1305 - Metal Marking Material

TherMark™ Laser Marking Material is a quick and easy way to permanently mark various metals using laser energy to produce a high contrast, high resolution mark. LMM 1305 marks stainless steel, carbide, chrome, brass, copper, pewter, and untreated aluminum as well as several other metals. One can do all this with low power Nd:YAG, CO₂ and fiber laser marking systems. One can quickly and easily mark graphics, serial numbers, lot numbers, production codes, ID matrix codes, barcodes, part numbers, tracking info, grids, graduations, scales, logos, etc. **TherMark™** Laser Marking Material can be brushed on, dabbed on or sprayed on depending on your requirements.

LMM 0030 - Glass Marking Material

TherMark™ Laser Marking Material is a quick and easy way to permanently mark various glass, porcelain and ceramic materials using laser energy to produce a high contrast, high resolution mark. LMM 0030 will also mark anodized aluminum, tool steel, stainless steel and other hard metal surfaces. One can do all this with low power Nd:YAG, CO₂ and fiber laser marking systems. One can quickly and easily mark graphics, serial numbers, lot numbers, production codes, ID matrix codes, barcodes, part numbers, tracking info, grids, graduations, scales, logos, etc. **TherMark™** Laser Marking Material can be brushed on, dabbed on or sprayed on depending on your requirements.

Directions for use

1. Select the proper **TherMark™** Laser Marking Material for particular use.
2. Be sure area to be marked is clean and free of oil and foreign material.
3. **TherMark™** Laser Marking Material may be used as supplied, or thinned with demineralized water or commercially available denatured alcohol, if necessary. Shake or mix marking material thoroughly before use.
4. Apply **TherMark™** Laser Marking Material to the surface of the part; uniformly sponge brush, paint brush, spray or dab material onto surface. Varying the thickness of the coating will change the color and strength of the mark - more is not always better.
5. Allow **TherMark™** Laser Marking Material to dry - a fan, heat gun, hot plate, warming lamp or oven may be used. **TherMark™** Laser Marking Material will not mark as well if wet.
6. Set part into laser marking chamber, adjust focus.
Set laser power: 5-10 watts for Nd:YAG or 20-50 watts for CO₂.
Set laser speed: 3-10 ips for the Nd:YAG or 20-50% for CO₂.
A sample test mark is always advisable.
7. Laser mark the part, then remove from laser marking chamber.
8. Part can be cleaned by wiping, or rinsing off excess marking material with water. A pail of wash water may be useful to contain and aid in recovery or disposal of the excess material.